

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT, HEALTH, & NATURAL RESOURCES
APPLICATION FOR PERMIT TO CONSTRUCT A MONITORING WELL SYSTEM

RECEIVED
N.C. Dept. of EHN

JUN 24 1992

Winston-Salem
Regional Office

Date: 6/22, 1992 County Alamance

In accordance with the provisions of Article 7, Chapter 87, General Statutes of North Carolina and regulations pursuant thereto, application is hereby made for a permit to monitoring wells.

1. Name of Applicant: Unocal Corporation (Telephone: (404) 326-2207)
Applicant's Mailing Address: 13 Corporate Square NE P.O. Box 4147, Atlanta Ga.
2. Name of Property Owner (if different from applicant) Ray Jorgensen
Owner's Mailing Address: 1342 Trollingwood - Hawfield Rd. Mebane NC 27302
3. Contact Person: Same (Telephone: (919) 563-4791)
4. Location of Property: Same
5. Reason for Monitoring Well(s): Suspected Contamination
(ex: nondischarge permit requirements, suspected contamination, environmental assessment, etc.)
6. Type of facility or site for which the monitoring well(s) is needed: USTs
(ex: nondischarge facility, waste disposal site, landfill, underground storage tank, etc.)
7. Type of contamination being monitored (if applicable): Petroleum Hydrocarbons
(ex: nutrients, organics, heavy metals, etc.)
8. Are any existing recovery wells associated with the monitoring well(s)? No If yes, how many? _____
Recovery Well Construction Permit No. _____
9. Distance to a known waste or pollution source: _____ feet
10. Are any water supply wells located less than 500 feet from the proposed monitoring wells? Yes
11. Well Driller: Fusci Corporation **ASSIGNED TO** Ryan If yes, give distance: _____ feet
DUE DATE 7-9-92
12. Registration #: 1233 MW-1 100'
MW-2 70'
MW-3 60'
13. Driller's Address: 1108 Old Thomasville Rd. High Point NC

PROPOSED MONITORING WELL CONSTRUCTION INFORMATION

1. Total Number of Wells to be constructed: 3 ; (A) Number to be completed in bedrock? 0
(B) Number to be completed in unconsolidated material? _____
2. Estimated depth of well(s): 30 feet
3. Gravel or sand pack interval (if appropriate)
From 12 feet To 30 feet
4. Type of casing used: Sch 40 PVC
(ex: PVC, stainless steel, galvanized steel, etc.)
5. Diameter of casing: 2 inches

FOR OFFICE USE ONLY

____ PERMITTED ACTIVITY
____ U.S.T. LEAK DETECTION
____ GROUNDWATER QUALITY STANDARDS
____ VIOLATIONS SUSPECTED FROM UNPERMITTED
ACTIVITIES
____ NOTICE OF NON-COMPLIANCE AT
UNPERMITTED FACILITIES
PERMIT NO. _____ ISSUED _____ 19 _____
INCIDENT # _____

6. Thickness of casing: Sch 40 inches
7. How will the well(s) be secured? Bolt Down Covers - Locking caps
8. Estimated beginning construction date: 6/30/92
9. Estimated completion date: 7/1/92

ADDITIONAL INFORMATION

1. ATTACH A SITE MAP SHOWING THE LOCATIONS OF THE FOLLOWING:

- 1 - PROPOSED MONITORING WELL(S)
- 2 - ALL EXISTING MONITORING AND RECOVERY WELLS OR TEST BORINGS WITH THE PROPERTY BOUNDARY
- 3 - ALL WATER SUPPLY WELLS WITHIN 500 FEET OF THE WASTE SOURCES
- 4 - AT LEAST TWO REFERENCE POINTS (NUMBERED ROADS, INTERSECTIONS, STREAMS, ETC.)

2. PROVIDE A WELL CONSTRUCTION DIAGRAM OF EACH WELL SHOWING DIAMETER, ESTIMATED DEPTH, SCREEN INTERVALS, SAND/GRAVEL PACKS, TYPE OF CASING MATERIAL, CASING WALL THICKNESS, WELL HEAD COMPLETION DETAILS, ETC.)

The Applicant hereby agrees the proposed well(s) will be constructed in accordance with approved specifications and conditions of the Well Construction Permit as regulated under the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C) and accepts full responsibility for compliance with these rules.

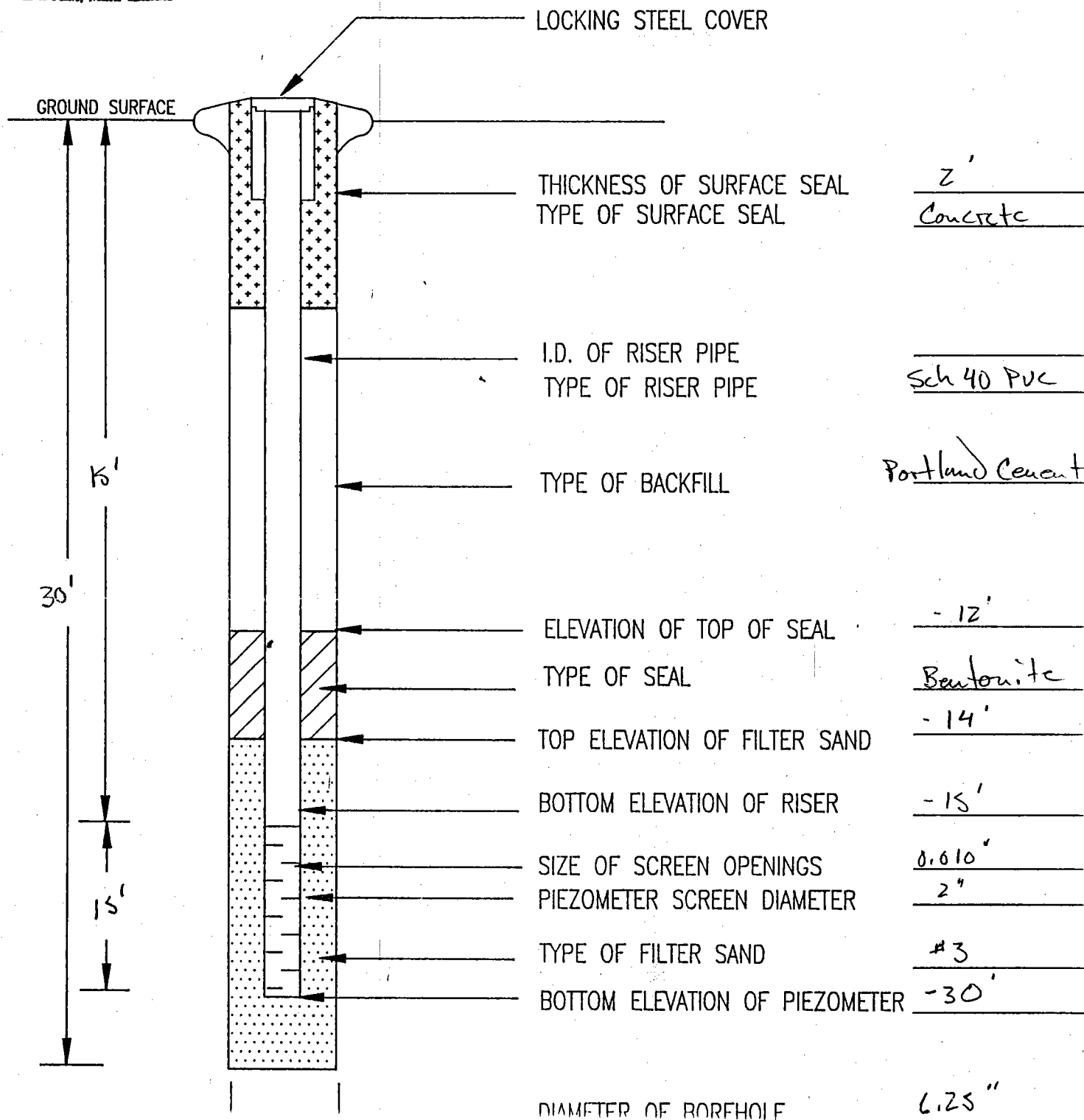
Chris Briggs
Signature of Applicant or Agent

Staff Geologist ENSCI Corporation
Title (if applicable)

If the property is owned by someone other than the applicant, the property owner hereby consents to allow the applicant to construct monitoring wells as outlined in this application and that it shall be the responsibility of the applicant to ensure that these monitoring wells conform to the Well Construction Standards (Title 15A North Carolina Administrative Code, Subchapter 2C).

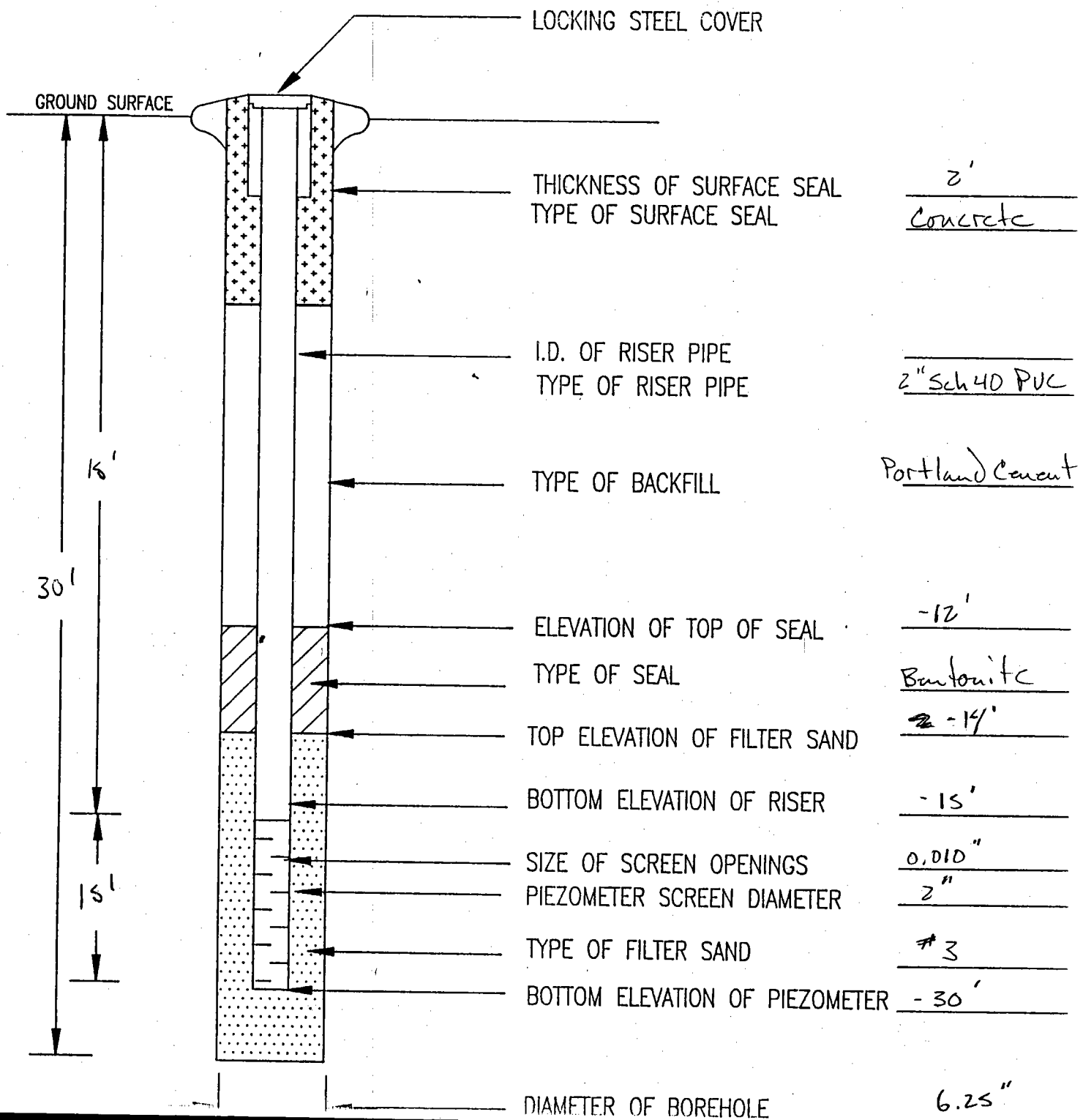
P. L. Jernigan
Signature of Property Owner (if different from applicant)

PROJECT Unocal Mebane PIEZOMETER NUMBER MW-3
GROUND ELEVATION _____ DEPTH TO WATER LEVEL ≈ 16'
BENCH MARK DATA _____ ELEVATION OF WATER LEVEL _____
ELEVATION OF TOP OF PIEZOMETER _____



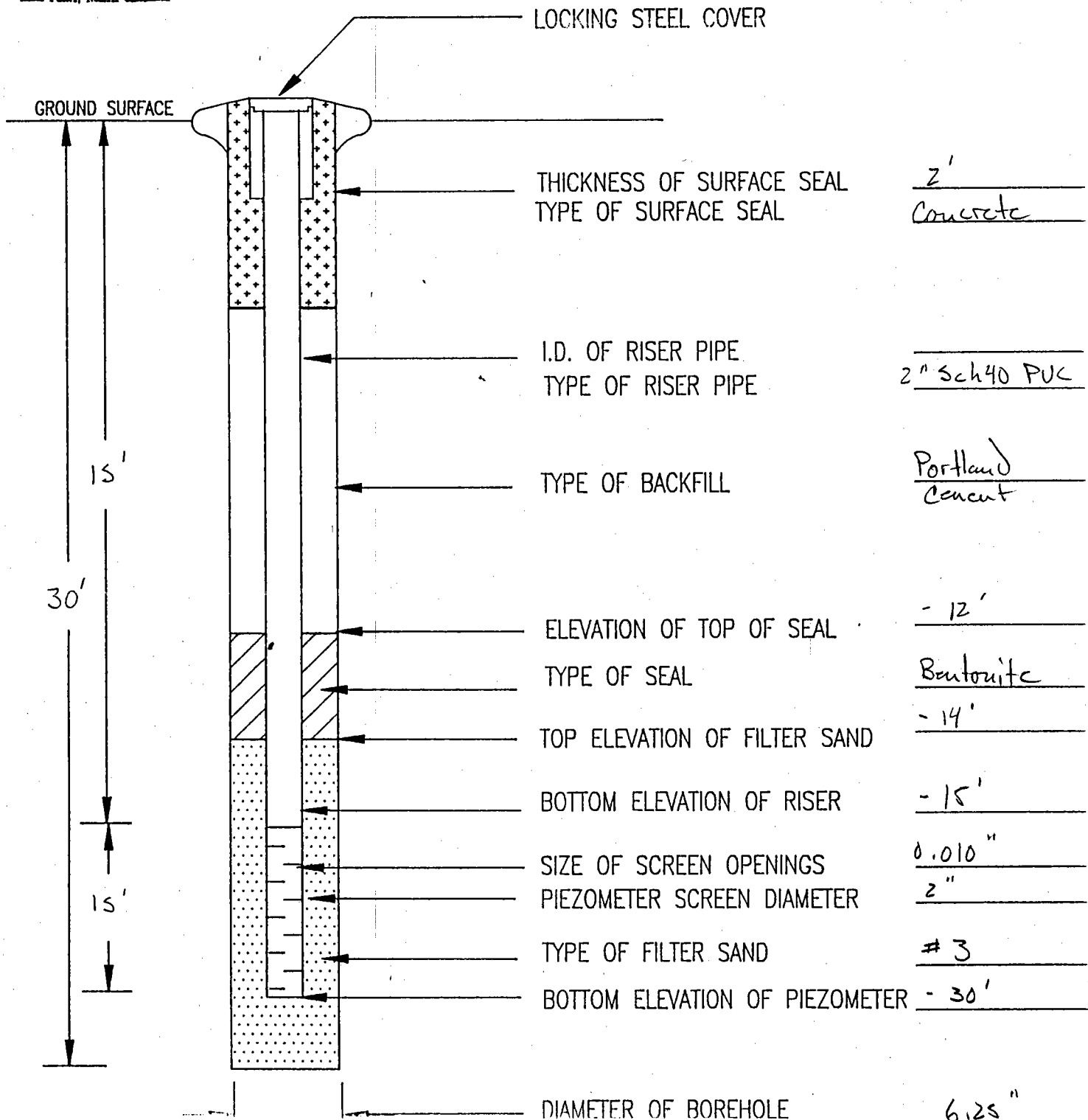
MONITORING WELL INSTALLATION SKETCH

PROJECT Unocal Mebane PIEZOMETER NUMBER MW-2
 GROUND ELEVATION _____ DEPTH TO WATER LEVEL ≈ 16'
 BENCH MARK DATA _____ ELEVATION OF WATER LEVEL _____
 ELEVATION OF TOP OF PIEZOMETER _____



MONITORING WELL INSTALLATION SKETCH

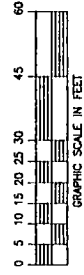
PROJECT Unocal Melbane PIEZOMETER NUMBER MW-1
 GROUND ELEVATION _____ DEPTH TO WATER LEVEL ≈ 16'
 BENCH MARK DATA _____ ELEVATION OF WATER LEVEL _____
 ELEVATION OF TOP OF PIEZOMETER _____



LEGEND

UNDERGROUND STORAGE TANK DATA

UST NUMBER(S)	CAPACITY	CONTENTS
UST 1 THRU 4	4000 GALLONS 28' L X 8' DIA	GASOLINE
UST 5 THRU 8	10000 GALLONS 27' L X 6' DIA	DIESEL
UST 9	560 GALLONS 8' L X 4' DIA	KEROSENE
UST 10	550 GALLONS 7' L X 4' DIA	USED OIL
UST 11	220 GALLONS	FUEL OIL



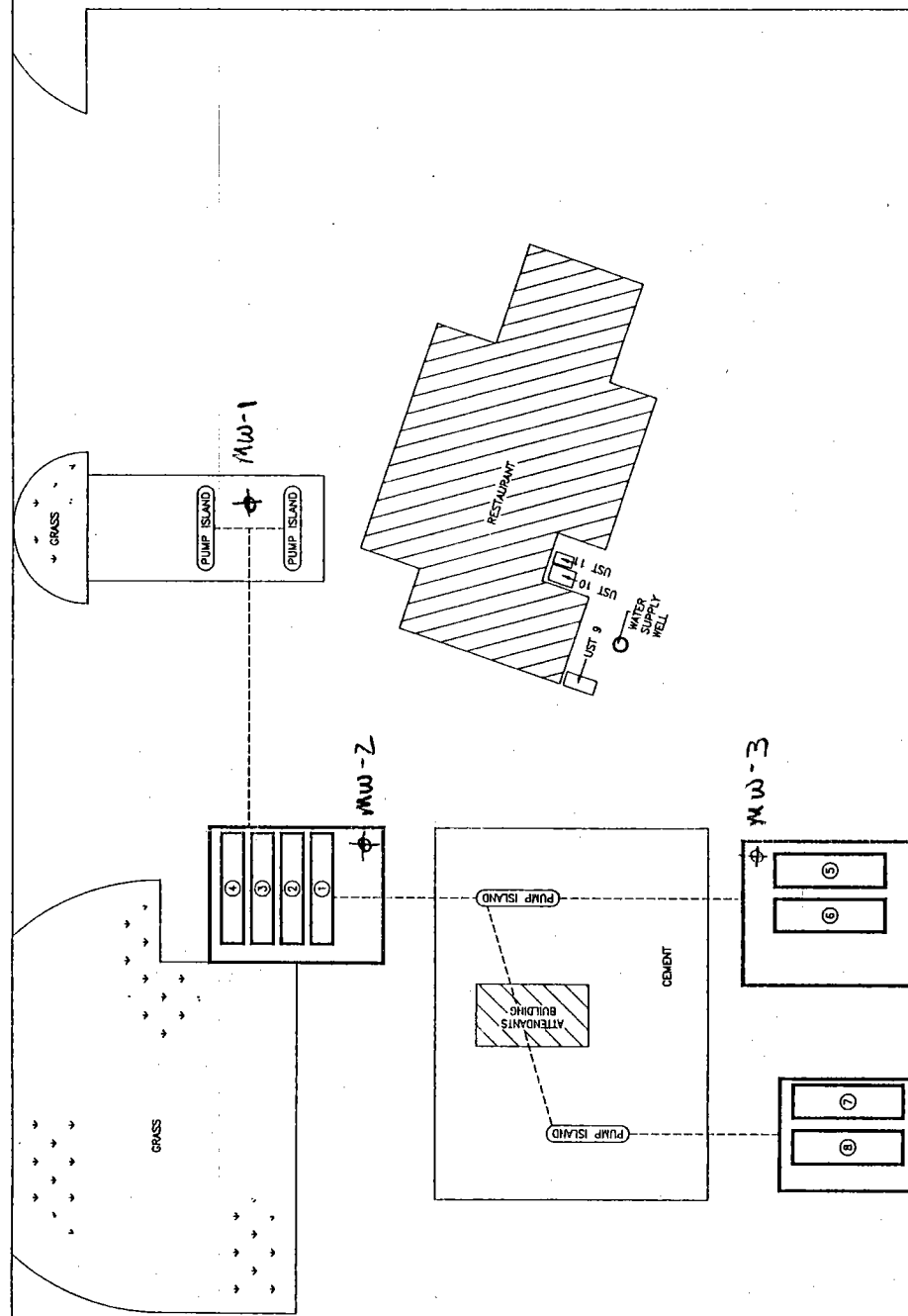
FOR: UNOCAL CITY: MEBANE STATE: NORTH CAROLINA

TITLE: SITE PLAN

SCALE: 1"=30' DRAWN BY: DJ DATE: 6/19/92

FIGURE: UNO-11 CHECKED BY: CB JOB #: SP0052

TROLLINGWOOD ROAD



Proposed Monitoring well locations

MONITOR WELL

DATE June 30, 1992
NAME Unocal Corporation
ADDRESS 13 Corporate Square NE P.O. Box 4147
Atlanta, Ga. 30329
PERMIT NUMBER 00-0361-WM-0130
COUNTY Alamance
RECEIVED DATE June 24, 1992
NUMBER 3
FILE NAME Red Horse Truck Stop
AREA Carolina Slate Belt
LOCATION 1342 Trollingwood - Hawfield Rd.
CITY Mebane
APPLICATION DATE June 22, 1992
EXPIRATION DATE December 30, 1992
ISSUE DATE 30th day of June

cc: Insci Corporation
1108 old Thomasville Rd.
High Point NC 27263